

The foregoing steps are illustrated in the flow block diagram of Figure 2. When containing information product 12 issues an information transport call [50] 51, setup filter 52 runs setup routine 54 if this is a first call and no information transport setup was run on installation of containing information product 12. At block 56, an object manifest is retrieved for pre-transport preparation at block 58. After prepping, a call to server 22 is established at block 60 and when the connection is made, and a handshake performed, one or more objects is transported at block 62.

After completion of transport and receipt of a completion manifest, server 22 is disconnected at block 64, received objects are decompressed and unpacked at block 66 and stored in a designated disk storage location at block 68. Object storage triggers containing information product 12's import processing to assimilate the information update with the original information product at block 70, following which a completion report is issued at 72 and control is returned to the containing information product 12 at 74.

Optional Schedule Function

An optional transport function module for scheduled or poll-responsive information object transport can be provided to defer the fetching of an update or to defer another information transport operation to a specified later time, or until called by the server.

The optional transport function schedules a request, waits, then automatically performs the transport operation at the scheduled time. In polling mode, it activates (and, if necessary, interrupts and then reactivates) the user station's ability to receive calls.

Mechanics of the optional transport function include a request for an ID number, an indicator for calling or polling mode and a schedule iterating a call time, a retry protocol, call activation and timing, along with an authentication procedure for the server and a completion status code.